

## **Drawing and CAD Requirements and Support Files**

The HNF-14660 drawing standards are used to direct develop of engineering drawings for Project Hanford Management Contract (PHMC). This assemblage provides CAD and Drawing Support files and is arranged as follows.

- Drawing and CAD Requirements
- Discipline Support Files
  - Start Templates
  - Drafting Symbol Aides
- Plot Styles (CBT files)

## **Use and Installation**

Copy the files to a server or hard disk that is routinely backed up. To facilitate ease of use, set file path in AutoCAD to find these files. AutoCAD Design Center is the recommended method for optimum use. Consult AutoCAD documentation for Design Center.

## **Drawing and CAD Requirements**

HNF-14660 lists the minimum requirements for developing and maintaining engineering drawings. This document can be viewed with Adobe Acrobat Reader 5.0. Adobe Acrobat can be obtained at no cost via the Internet at [www.adobe.com](http://www.adobe.com); select “get Acrobat Reader.”

Three additional folders contain discipline legend drawings. Before using any of the symbology, consult the symbology requirements in HNF-14660.

## **AutoCAD Template Drawings**

The AutoCAD Template support files are divided by the disciplines. Each discipline has its own start template that is maintained in discipline folders. See Directory Structure, below.

AutoCAD Layer Structure is predefined in the drawing start templates. Each discipline has its own required layer set. See HNF-14660 for further information.

## **Symbol Drawings and CAD Symbols**

CAD symbology is divided between mandatory and non-mandatory (drafting aides). Before using any of the symbology consult, the symbology requirements in HNF-14660.

Drawing Aide symbols are arranged by discipline in the appropriate file folder. These discipline folders are AutoCAD drawings. Each discipline symbol set is derived from national standards or from industry practices. National Standards are used to the fullest extent possible.






































## **Plot Styles**

Provided are two plotter settings that assign plotter color to line width for 11”x17” and “F” size drawings (28”x40”), which follow requirements, contained in HNF-14660.

## **For interpretation or questions contact:**

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## DIRECTORY STRUCTURE

- [-]  0\_HNF-14660 - Drawing and CAD Standards
  - [-]  CAD and Drawing Requirements
    -  Abbreviation legend
    -  Electrical Legend
    -  P&id Legend
  - [-]  Discipline Files
    - [-]  Arch
      -  Arch Reference Drawings
      -  Arch Start Templates
    - [-]  Civil
      -  Civil Reference Drawings
      -  Civil Start Templates
    - [-]  Electrical
      -  Elec Reference Drawings
      -  Elec Start Templates
    - [-]  Fire Protection
      -  Fire Protection Reference Drawings
      -  Fire Protection Start Templates
    - [-]  General
      -  General Reference Drawings
      -  General Start Templates
    - [-]  Hvac
      -  Hvac Reference Drawings
      -  Hvac Start Templates
    - [-]  I&C
      -  I&C Reference Drawings
      -  I&C Start Templates
    - [-]  Mech
      -  Mech Reference Drawings
      -  Mech Start Templates
    - [-]  Piping
      -  Piping Reference Drawings
      -  Piping Start Templates
    - [-]  Struc
      -  Struc Reference Drawings
      -  Struc Start Templates
  -  Plot Styles